

UNCLASSIFIED

AD NUMBER	
AD501620	
CLASSIFICATION CHANGES	
TO:	unclassified
FROM:	confidential
LIMITATION CHANGES	
TO:	Approved for public release, distribution unlimited
FROM:	Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; FEB 1969. Other requests shall be referred to Army Office of the Assistant Chief of Staff for Force Development, Washington, DC 20310.
AUTHORITY	
oag, d/a ltr 29 apr 1980; oag, d/a ltr 29 apr 1980	

THIS PAGE IS UNCLASSIFIED

SECURITY

MARKING

The classified or limited status of this report applies to each page, unless otherwise marked.

Separate page printouts MUST be marked accordingly.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U.S.C., SECTIONS 793 AND 794. THE TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

NOTICE: When government or other drawings, specifications or other data are used for any purpose other than in connection with a definitely related government procurement operation, the U.S. Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

CONFIDENTIAL



DEPARTMENT OF THE ARMY
OFFICE OF THE ADJUTANT GENERAL
WASHINGTON, D.C. 20310

IN REPLY REFER TO

AGAM-P (M) (28 Apr 69) FOR OT UT 691331

5 May 1969

SUBJECT: Operational Report - Lessons Learned, Headquarters, 25th
Infantry Division Artillery, Period Ending 31 January 1969 (U)

1. Subject report is forwarded for review and evaluation in accordance with paragraph 5b, AR 525-15. Evaluations and corrective actions should be reported to ACSFOR OT UT, Operational Reports Branch, within 90 days of receipt of covering letter.
2. Information contained in this report is provided to insure appropriate benefits in the future from lessons learned during current operations and may be adapted for use in developing training material.

BY ORDER OF THE SECRETARY OF THE ARMY:

Kenneth G. Wickham

KENNETH G. WICKHAM
Major General, USA
The Adjutant General

1 Incl
as

--

Regraded unclassified when separated
from classified inclosure.

t

CONFIDENTIAL

CONFIDENTIAL

DEPARTMENT OF THE ARMY
HEADQUARTERS 25TH INFANTRY DIVISION ARTILLERY
APO San Francisco 96225

AVDCDA-OP

15 February 1969

SUBJECT: Operation Report of 25th Inf Div Arty for Period ending 31 Jan 69
RCS CSFOR-65 (R1)

SEE DISTRIBUTION

1. Section 1, Operations: Significant Activities

a. Summary

The 25th Infantry Division Artillery was actively engaged in combat operations in support of Operation Toan Tang (Complete Victory) II which continued from the previous quarter. The major activity continued to occur in the Tay Ninh-Dau Tieng area. Because the enemy chose to avoid major contact, artillery operations consisted primarily of landing zone preparations for maneuver element air assault search operations and the attack of intelligence and acquired targets. Only on three occasions did the enemy choose to engage in significant combat, two attacks against convoys and one against a patrol base, and each time Div Arty provided the fire superiority to defeat him. Reinforcement training of replacements, on-the-job, and proficiency training continued as noted in the 31 October 1968 report.

b. Specific Activities

The progress of the "Colors Up" (Accelerated Pacification) Program, the enemy's evasive tactics, and the judicious location of Fire Support Bases (FSB) and Patrol Bases resulted in more stable operations with fewer battery moves. Throughout November Div Arty supported Operation Toan Thang (Complete Victory) II. Concurrently Div Arty supported the Colors Up Program and Operation Piedmont Swift from 23-30 November. The 7th Battalion, 11th Artillery, was in direct support of the 1st Brigade; the 1st Battalion, 8th Artillery, in direct support of the 2d Brigade; and the 2d Battalion, 77th Artillery, in direct support of the 3d Brigade. The 3rd Battalion, 13th Artillery, provided general support to the Division.

(1) In support of Operation Complete Victory II and the Colors Up Program the 7/11th Arty maintained organic batteries and planned the fires of General Support Reinforcing batteries at Fire Support Bases (FSB's)

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

CONFIDENTIAL

FOR OTUT
691331
Inclosure

CONFIDENTIAL

AVDCDA-OP

15 February 1969

SUBJECT: Operations Report of 25th Inf Div Arty for Period Ending 31 Jan 69
RCS CSFOR-65 (R1)

Rawlins III (XT 2948), Buell III (XT 2153), Bragg II (XT 3958), and Tay Ninh Base Camp (XT 1651). To support a 1st Brigade thrust into northwestern War Zone C, 7/11th Arty moved B/7/11(-) by road from Tay Ninh to FSB Sherman (XT 1170) and back to Tay Ninh on 12 November to cover the march of A/7/11 from Buell III (XT 2153) to FSB Ord (XT 1881). The remaining platoon of B/7/11 replaced A/7/11 at Buell III. Alpha battery remained in the area of FSB Ord until 15 November when B/7/11(-) again road marched from Tay Ninh to FSB Sherman to cover the return of the artillery and infantry from FSB Ord to Tay Ninh. Bravo battery then closed into Buell III.

(2) The 1/8 Arty provided support for Operation Complete Victory and Colors Up by controlling the fires of organic and GSR batteries located at FSB's Crockett II (XT 7416), Patton (XT 5921), Pershing (XT 5025), Stuart III (XT 4919), Meade (XT 6011), Reed II (XT 4712) and Keene III (XT 6001). Operation Piedmont Swift was mounted by the 2d Brigade in the Duc Hue area (vic XT 3209) between 23 and 30 November. To support this operation, 1/8 Arty moved A/1/8 from FSB Reed II to FSB Cutler (XT 3209) and C/3/13 from FSB Meade to FSB Houston (XT 4307). One eight inch howitzer from D/3/13 at FSB Stuart III was attached to C/3/13 at FSB Houston. The 23d Arty Group placed C/1/27 (155mm SP) at FSB Meade to replace C/3/13. C/1/27 remained at FSB Meade until 18 December when it departed the Division Tactical Area of Responsibility to support other II Field Force operations. At the completion of the operation on 30 November A/1/8 returned to FSB Reed II and C/3/13 plus the single 8 inch Howitzer moved to Cu Chi. The following day, 1 Dec, the 8 inch Howitzer rejoined D/3/13 at FSB Stuart III (XT 4919) and C/3/13 moved to Tay Ninh.

(3) Artillery support provided by 2/77 Arty during November's operations came from organic and GSR batteries located at FSB's Mahone (XT 5437), McNair (XT 4526), and Dau Tieng Base Camp (XT 4947). FSB McNair was closed out on 18 November with B/2/77 moving to FSB Wood (XT 4434). The Div Arty Headquarters, Headquarters 1/8 Arty, and Headquarters 3/13 Arty remained at Cu Chi Base Camp (XT 6516).

(4) In early December intelligence indicators pointed to a build-up of bunkers and fighting positions with suspected build-up of enemy troop activity in the Red Lei Woods (vic XT 4935). On 5 Dec a complex of suspected locations in this area was attacked by artillery fire, initiated by a seven battery Time on Target artillery concentration. Six targets were hit with 734 rounds of mixed caliber, resulting in seven bunkers destroyed and 3 bunkers damaged. The following day an additional 1517 rounds were placed in the area, plus 9 airstrikes. The results were 5 tunnels, 47 bunkers and 250 meters

Inclosure

CONFIDENTIAL

CONFIDENTIAL

AVDCDA-OP

17 February 1969

SUBJECT: Operations Report of 25th Inf Div Arty for Period Ending 31 Jan 69
RCS CSFOR-65 (R1)

of trench destroyed; 18 bunkers uncovered; 5 secondary explosions; and 3 enemy killed (by body count).

(5) On 10 December the 7th Battalion, 11th Artillery moved its "C" Battery from FSB Bragg II (XT 3358) to FSB Grant II (XT 3862) to support a 1st Brigade probe into south central War Zone C. In order to maintain artillery support along the MSR from Tay Ninh to FSB Grant, B/2/13 (105mm towed) was moved from Dau Tieng to FSB Bragg II. The battery mission remained general support-reinforcing to the 25th Infantry Division Artillery. B/2/77 moved from FSB Wood II (XT 4637) to replace B/2/13 at Dau Tieng Base Camp and was replaced at Wood II by A/2/77 from FSB Austin (XT 3731). FSB Austin continued to be occupied by B/3/13.

(6) By 12 December intelligence indicated the enemy would launch another offensive against Tay Ninh. Defenses were tightened by moving A/7/11 from FSB Washington III (XT 1059) to FSB Washington (XT 1456) and C/7/11 from Grant II to FSB Mitchell (XT 1645). These moves brought artillery fire power closer to the city of Tay Ninh and placed C/7/11 in a blocking position on the likely enemy approach from the southwest.

(7) At 2000 hours on 15 December an Air Force Forward Air Controller (FAC) received ground fire near the Mushroom (XT 6029) and observed numerous lights in the Filhol, Hobo and Boi Loi Woods. The Commanding General interpreted these lights as possible enemy troop movements and directed the Division Artillery to provide continuous air observation over the suspected area throughout the hours of darkness and to adjust artillery fires on the lights. During the operation, referred to by Division Artillery as Operation Lights Out, as many as five aerial observers were employed simultaneously from 15 2030 to 16 0330 and 2157 artillery rounds expended.

(8) During the afternoon, 17 December, the Dau Tieng Convoy was ambushed in the Ben Cui Rubber Plantation (vic XT 4345). Div Arty elements fired 2285 rounds in support of the convoy and counter-ambush operations which netted 52 VC bodies.

(9) During the pre-dawn hours of 22 December two companies of 4/9 Infantry with heavy support from Div Arty and ARVN artillery beat off an NVN regiment which attacked their "Mole City" Patrol Base (XT 2430). Close-in time and VT fire and ICM artillery support were crucial to the defense of the position. The enemy left behind 106 dead. To provide additional artillery coverage for the patrol base, B/2/77 moved into FSB Hull (XT 2638) and

CONFIDENTIAL

CONFIDENTIAL

AVDCDA-OF

15 February 1969

SUBJECT: Operations Report of 25th Inf Div Arty for Period Ending 31 Jan 69
RCS CSFOR -65 (R1)

and was attached to the 7/11 Artillery.

(10) During the last nine days of December, C/2/77 made several moves from FSB Mahone to Dau Tieng in order to support 1st Brigade operations in the Michelin Rubber Plantation.

(11) Two new FSB's were opened in early January to support, more adequately, 1st Brigade operations. B/3/13 moved from FSB Austin (XT 3731) to FSB Stoneman (XT 3037) on 6 January. FSB Sedgewick consolidated the 4/9th Infantry from nearby "Mole City" with its artillery support, B/2/77.

(12) The enemy conducted a major ambush of the logistical convey along the Tay Ninh-Dau Tieng MSR on 14 January. Over 2500 rounds of artillery pounded enemy positions near XT 3345 and XT 4143. The artillery was credited with 38 of the total 122 enemy bodies counted.

(13) Early on the morning of 25 January ARVN elements made contact with an enemy force seven kilometers southwest of Go Dau Ha. While Division ground elements were being dispatched to reinforce the ARVN forces, 3/13 artillery laid B and D batteries to provide fires. Although the support of these batteries was offered several times during the day, the ARVN's withheld necessary clearances to prevent damage to the village. An estimated NVA battalion was believed surrounded in Ap Binh Hoa (XT 3418). Late in the afternoon a 105mm howitzer platoon from A/1/8 Artillery was emplaced by air in the night laager position of B/3/4 Cavalry just west of the village. The remainder of A/1/8 then moved from FSB Reed II (XT 4712) to FSB Jackson (XT 4216). At approximately 0200 hours the following morning, one of the 3/4 Cavalry positions was attacked with mortars, small arms and automatic weapons. The Div Arty counter mortar observer adjusted artillery onto the enemy positions. A daylight sweep credited the observer and D/3/13 Artillery with 10 VC body count and three mortars destroyed. The operation was concluded about noon, 27 January, and all elements of A/1/8 returned to FSB Reed II.

(14) On 28 January a well emplaced enemy platoon (vic XT 3539) caused a delay of Rome Flow operations. A total of 1085 medium and light artillery high explosive rounds dislodged the enemy.

(15) The last three days of the quarter saw very light scattered activity. On 31 January C/2/77 moved from FSB Mahone (XT 5437) to open FSB Mahone II (XT 5241), as the battery continued to support 1/27th Infantry.

CONFIDENTIAL

CONFIDENTIAL

AVDCDA-OP

15 February 1969

SUBJECT: Operations Report of 25th Div Arty for Period Ending 31 Jan 69
RCS CSFOR-65 (R1)

(16) During the quarter ending 31 January Div Arty elements made fewer moves (113) than in any quarter of the past year. The total rounds fired for the quarter, 327,709, far surpassed the totals of the three previous quarters. Of the total rounds fired, 258,900 were 105mm; 60,278 were 155mm; and 8,531 were 8".

c. Personnel and Logistics

(1) Personnel status steadily improved. The command reached 99% of its assigned strength by the close of the quarter. The critical shortage of captains was alleviated, although many of those recently assigned were inexperienced in field artillery. Shortages exist in the middle noncommissioned officer ranks in MOS 63C, 13B, 94B, 76Y, and lower enlisted ranks in MOS 76S. During the quarter 136 valor (including one Distinguished Service Cross), 16 achievement and 492 service awards were earned by members of Division Artillery.

(2) During the past quarter logistics operations consisted of coordinating resupply activities in support of the firing units. High ammunition expenditures during December made resupply of fire support bases a critical problem. This problem was solved by increasing the ammunition stockage objective at the Fire Support Bases. As a result requests for Combat Essential resupply have been minimized.

d. Intelligence Operations

(1) Throughout the period the frequent enemy mortar/rocket attacks resulted in increased emphasis on effective employment of counter mortar radars. In December the 257th FA Detachment (Radar), an AN/MPQ-4 Radar detachment, was detached from the 25th Infantry Division and redeployed to the Bien Hoa area. The three Div Arty organic AN/MPQ-4 sections and the 258th FA Detachment (Radar), an attached AN/MPQ-4 Radar section, continued to operate against the mortar/rocket threat and identified 32 hostile mortar/rocket locations during the period.

(2) The surveillance radar program continued. However the mission of the AN/TPS-25 radar, located at Go Dau Ha, assumed new importance in guarding the Angel's Wing (vicinity XT 2822, Cambodia) approach to the Division area.

CONFIDENTIAL

CONFIDENTIAL

AVDCDA-OP

15 February 1969

SUBJECT: Operations Report of 25th Div Arty for Period Ending 31 Jan 1969
RCS CSFOR-65 (R1)

(3) Survey operations during the period were continuous, with 33 survey control points established throughout the Division area. By the end of the period all artillery batteries were located on common control, and an expansion program was underway. The Survey Information Center was completely remodeled, and a new records system established. With the installation of the FADAC computer system, survey data can now be transmitted from the field to SIC, the survey computed, and computed coordinates sent back to the user in a very short period of time. A long range survey project to establish surveyed registration points throughout the Division area was begun and three points (2 APC's and 1 tank) were established by the end of the period.

(4) Division Artillery observers continued their mission of support for artillery units. Over half of the inflight time was in support of night operations, to include engagement of radar and observation tower targets, unit contacts, ground sensor targets, an countermortar and counterrocket operations.

(5) Meteorological operations during the period were hampered by considerable deadline time on the Rawin set. During the period the set was deadlined (19 Nov 1968 to 20 Jan 1969) the section maintained its schedule through the use of visual flight methods. The accuracy of data remained high, as typified by the II Field Force Quality Control Team's evaluation of 100% validity on metro messages evaluated during January 1969.

e. Civil Affairs

(1) The Civil Affairs Section continued to provide technical and material assistance to Government of Vietnam (GVN) agencies in Trang Bang district (XT 4920). This assistance was in support of GVN revolutionary development in public health and welfare, agriculture, education, and construction. GVN projects supported by Div Arty during the quarter included:

(a) Providing food and clothing to local civilians whose homes had been destroyed by Viet Cong terrorists.

(b) Constructing wells in An Phu, Gia Bien and An Duc hamlets, Trang Bang District.

CONFIDENTIAL

CONFIDENTIAL

AVDCDA-OP

15 February 1969

SUBJECT: Operations Report of 25th Div Arty for Period Ending 31 Jan 69
RCS CSFOP-65 (R1)

(c) Repairing district government offices.

(d) Providing materials for construction and improvement of RF/PP outposts.

(2) Plans have been made to help district school children enjoy a happy Lunar New Year with appropriate TET holiday celebrations.

2. Section 2, Lessons Learned: Commander's Observations, Evaluations and Recommendations

- a. Personnel. None
- b. Operations. None
- c. Training. None
- d. Intelligence. None
- e. Logistics

Bag, Cargo, A-22

(a) Observation: The Bag, Cargo, A-22 has two major disadvantages when used to transport 105mm howitzer ammunition in meeting the frequent ammunition aerial resupply requirements of a direct support 105mm How Bn.

(b) Evaluation: 1) The Bag, Cargo, A-22 is capable of transporting 80 rounds of 105mm howitzer ammunition (40 rounds is recommended). However, to transport these rounds in the A-22 bag, the 105mm howitzer round in its fiber container must be unpacked from its original wooden shipping container and stacked in the bag in a prescribed manner.

(2) Tactical considerations require that a certain amount of ammunition be prepared and immediately available for aerial resupply. Therefore, certain quantities of 105mm ammunition must be unpacked and stacked in their fiber containers in the A-22 bags for varying periods of time, readily accessible to helicopter pickup.

CONFIDENTIAL

AVDCDA-OF

15 February 1969

SUBJECT: Operations Report of 25th Div Arty for Period Ending 31 Jan 1969
RCS CSFOR-65 (R1)

3) Exposing ammunition in fibre containers for any significant period of time increases the possibility of damage to the ammunition due to weather and handling.

4) Unpacking ammunition from its original wooden container and stacking the rounds (in fibre containers) in the prescribed fashion for the A-22 bag requires an excessive amount of time when heavy aerial resupply is required.

5) The 14' x 14' rope net, FSM 3940-542-4698, is capable of transporting 120, 105mm Howitzer rounds in the original wooden shipping container, eliminating unpacking and special stacking and providing increased protection of the round before, during, and after transporting.

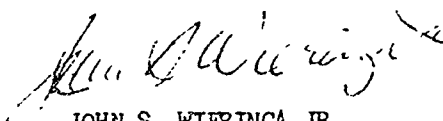
c. Recommendation: That direct support 105mm Howitzer Battalions be authorized a minimum of thirty (30) 14' x 14' rope cargo nets, FSM 3940-542-4698.

f. Organization. None

g. Other. None

1 Incl
Listing of Units

DISTRIBUTION:
6 CG, 25th Inf Div
3 CG, USARV
2 CINC, USARPAC
5 AVDCDA-HO
1 ea CO, XO, Staff Section, Bn


JOHN S. WIFFRINGA JR.
Colonel, FA
Commanding

CONFIDENTIAL

AVDCMH (15 Feb 69) 1st Ind

SUBJECT: Operational Report of 25th Inf Div Arty for Period Ending
31 Jan 69. RCS CSFOR-65 (R1)

DA, HEADQUARTERS, 25TH INFANTRY DIVISION, APO 96225, 15 March 1969

TO: CG, IIFORCEV, ATTN: G-3 (D&T), APO San Francisco 96266

Forwarded with concurrence.

FOR THE COMMANDER:



R. W. DUNCAN

MAJ, AGC

ASST ADJUTANT GENERAL

AVFBC-RE-H (15 Feb 69) 2nd Ind
SUBJECT: Operations Report of 25th Inf Div Arty for Period Ending 31 Jan 69
RCS CSFOR-65 (R1)

DA, HQ II FFORCEV, APO San Francisco 96266

31 MAR 1969

THRU: Commanding General, US Army Vietnam, ATTN: AVHGC(DST), APO 96375

Commander-In-Chief, US Army Pacific, ATTN: GPOP-DT, APO 96558

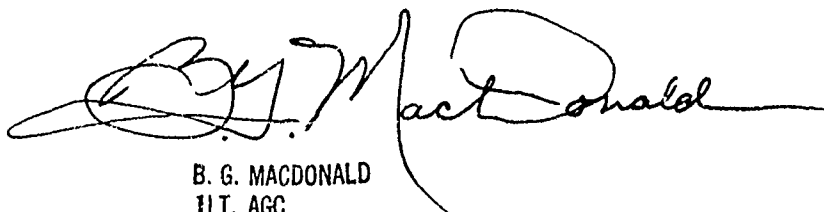
TO: Assistant Chief of Staff for Force Development, Department of the
Army, Washington, D.C. 20310

(U) This headquarters has reviewed and concurs with the Operational Report-Lessons Learned of 25th Infantry Division Artillery for the period ending 31 January 1969, with the following comments:

a. Reference paragraph 2e(b). Chapter 10, TM 55-450-11, Helicopter External Loads Rigged with Air Delivery Equipment, specifies that 40 rounds of 105mm howitzer ammunition is the maximum permissible A-22 bag load. HQ USARV has directed that the handbook on CH-47 (Chinook) supersede all other directives and SOP's in the command. This handbook, in turn, refers to chapter 10, TM 55-450-11 as the authority on authorized load limits for air delivery equipment.

b. Reference paragraph 2e(c). Each direct support 105mm howitzer battalion is presently authorized 27 of the 14'x14' rope nets ILC 80 A22 bags. The authority for this is USARV Regulation 725-7, dated 15 December 1968. The 25th Division Artillery has been notified of this.

FOR THE COMMANDER:



B. G. MACDONALD
1LT, AGC
Assf AG

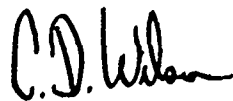
AVHGC-DST (15 Feb 69) 3d Ind
SUBJECT: Operational Report of 25th Infantry Division Artillery for Period
Ending 31 January 1969 RCS CSFOR-65 (R1)

HEADQUARTERS, UNITED STATES ARMY, VIETNAM, APO San Francisco 96375 7 APR 1969

TO: Commander in Chief, United States Army, Pacific, ATTN: GPOP-DT,
APO 96558

This headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 31 January 1969 from Headquarters, 25th Infantry Division Artillery and concurs with the report as indorsed by the intermediate headquarters.

FOR THE COMMANDER:



C. D. WILSON
1LT, AGC
Assistant Adjutant General

Cy furn:
25th Inf Div Arty
II FFV

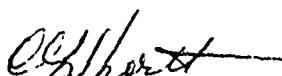
GPOP-DT (15 Feb 69) 4th Ind (U)
SUBJECT: Operational Report of HQ, 25th Inf Div Arty for Period
Ending 31 January 1969, RCS CSFOR-65 (R1)

HQ, US Army, Pacific, APO San Francisco 96558 17 APR 1969

TO: Assistant Chief of Staff for Force Development, Department of the
Army, Washington, D. C. 20310

This headquarters has evaluated subject report and forwarding indorse-
ments and concurs in the report as indorsed.

FOR THE COMMANDER IN CHIEF:



C. L. SHORTT
CPT, AGC
Asst AG

AVDCDA-OP

15 February 1969

SUBJECT: Operations Report of 25th Div Arty for Period Ending 31 Jan 69

RCS CSFOR-65 (R1)

LISTING OF UNITS

Organic Units

1/8 Artillery (105 How, Towed)

7/11 Artillery (105 How, Towed)

2/77 Artillery (105 How, Towed)

3/13 Artillery (155/8", SP)

Attached Units

B/5/2 Artillery (AW battery and attached Machine Gun and Searchlight platoon)

General Support Reinforcing

2/13 Artillery (105 How, Towed) (-)

1/27 Artillery (105 How, SP) (-)

2/32 Artillery (175/8", SP) (-)

Incl 1

UNCLASSIFIED

Security Classification

DOCUMENT CONTROL DATA - R & D		
(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)		
1. ORIGINATING ACTIVITY (Corporate author)		2a. REPORT SECURITY CLASSIFICATION
HQ, OACSFOR, DA, Washington, D. C. 20310		Confidential
		2b. GROUP
		4
3. REPORT TITLE		
Operational Report - Lessons Learned, Hq, 25th Infantry Division Artillery		
4. DESCRIPTIVE NOTES (Type of report and inclusive dates)		
Experiences of unit engaged in counterinsurgency operations, 1 Nov 68 to 31 Jan 69.		
5. AUTHOR(S) (First name, middle initial, last name)		
CO, 25th Infantry Division Artillery		
6. REPORT DATE	7a. TOTAL NO. OF PAGES	7b. NO. OF REFS
15 February 1969	16	
8a. CONTRACT OR GRANT NO.	9a. ORIGINATOR'S REPORT NUMBER(S)	
b. PROJECT NO.	691331	
c. N/A	9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)	
d.		
10. DISTRIBUTION STATEMENT		
11. SUPPLEMENTARY NOTES	12. SPONSORING MILITARY ACTIVITY	
N/A	OACSFOR, DA, Washington, D.C 20310	
13. ABSTRACT		

14

DD FORM 1473
1 NOV 65

UNCLASSIFIED

Security Classification